

REMARKS

This is in full and timely response to the non-final Office Action dated January 13, 2005 (Paper No./Mail Date 12/29/04). The present amendment amends claims 1, 2, 4 and 5 in order to further clarify a portion of the scope sought to be patented and is **not** amended to overcome a prior art rejection. Accordingly, claims 1 to 5 are presently pending in the application, each of which is believed to be in condition for allowance. Reexamination and reconsideration in light of the present amendment and the following remarks are respectfully requested.

Drawings

It is noted that the drawings as filed on July 11, 2001 are accepted. An annotated sheet and a replacement sheet are provided for Figure 6(a) to correct a typographical error in the figure title.

Claim to Priority

Acknowledgement of the certified formal papers filed in connection with Applicant's claim to priority under 35 U.S.C. § 119(a)-(d) is noted with appreciation. New papers containing a corrected serial number are submitted herewith to place the claim to priority in proper standing for acceptance.

Information Disclosure Statement

Acknowledgment of the information disclosure statement filed October 20, 2004 is noted with appreciation. Legible copies of each foreign patent are attached to comply with 37 CFR 1.98 (a)(2).

Claim Rejections- 35 U.S.C. § 112

In the Action, claim 4 was rejected under 35 U.S.C. § 112, first paragraph, for allegedly failing to comply with the written description requirement. Applicant respectfully traverses this rejection. However, in order to expedite prosecution, claim 4 has been amended in accordance with the examiner's instructions. Support for the new language of claim 4 can be found variously

throughout the specification including, for example, page 6, lines 2-7. Withdrawal of this rejection is therefore courteously solicited.

In the Action, claim 1 was rejected under 35 U.S.C. § 112, second paragraph, for alleged indefiniteness. Applicant respectfully traverses this rejection. However, in order to expedite prosecution, claim 1 has been amended in accordance with the examiner's instructions. Withdrawal of this rejection is therefore courteously solicited.

Claim Rejections- 35 U.S.C. § 102

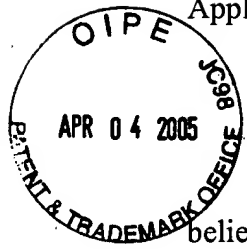
In the Action, claims 1-5 were rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by U.S. Patent No. 5,852,560 to Takeyama et al. ("Takeyama"). This rejection is respectfully traversed.

Independent claims 1, 2 and 5 recite, *inter alia*, a data table containing processing yields and environmental indicator factors *in conjunction with material codes which respectively indicate the material of each part constituting a product*...calculating a *discharged amount of efflux* associated with an environmental indicator *for every material code* based on its corresponding processing yield and environmental indicator factor which have been obtained.

In contrast, although Takeyama arguably discloses a file storage memory containing a material input amount storage section, a material and unit load emission storage section and an environmental load equation storage section, Takeyama fails to disclose, teach or suggest *at least* a data table containing processing yields and environmental indicator factors in *conjunction with material codes which respectively indicate the material of each part constituting a product*, and calculating a *discharged amount of efflux associated with an environmental indicator for every material code*. In fact, although Takeyama arguably discloses inputting part names and storing the names of materials, no disclosure, teaching or suggestion is made in Takeyama of storing *material codes respectively indicating the material of each part* constituting the product. *See* Col. 15, lines 43-48; Col. 16 lines 41-47. Further, although Takeyama arguably discloses calculating the amount of emission of an environmental load, Takeyama fails to disclose, teach or suggest calculating the discharged amount of efflux for every material code. *See* Col. 16 lines 4-8.

Accordingly, because Takeyama fails to disclose, teach or suggest each and every limitation of claims 1,2 and 5, a *prima facie* anticipation rejection has not been established, and withdrawal of this rejection is respectfully requested. *See, e.g., Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987) (“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference”).

Moreover, aside from the novel limitations recited therein, claims 3 and 4, being dependent either directly or indirectly upon allowable base claim 2, are also allowable for *at least* the reasons set forth above. Withdrawal of the rejection of these claims is therefore courteously solicited.



Conclusion

For at least the foregoing reasons, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the examiner is respectfully requested to pass this application to issue. If the examiner has any comments or suggestions that could place this application in even better form, the examiner is invited to telephone the undersigned attorney at the below-listed number.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-0013, under Order No. KOM-136/INO, from which the undersigned is authorized to draw.

Dated:

Apr. 4, 2005

Respectfully submitted,

By

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Attachment: Annotated Sheet for Figure 6
Replacement Sheet for Figure 6
Foreign Patent JP11-353384
Foreign Patent JP2000-037684

AMENDMENTS TO THE DRAWINGS

Please amend the drawing for Figure 6(a) as set forth in the attached annotated sheet and replacement sheet. This amendment is to correct a typographical error in the figure title.

ANNOTATED SHEET

FIG. 6

D (a) TOTALIZATION BY IDENTIFICATION NO.,
SUB-ARTICLE NO., MODEL NAME AND MATERIAL CODE

TECHNICAL CONFIGURATION TEMP								
IDENTIFI- CATION NO.	SUB- ARTICLE NO.	MODEL NAME	MATERIAL CODE	PARENT ARTICLE NO.	CUMULATIVE WEIGHT	PROCESSING YIELD	CO ₂ FACTOR	TOTAL WEIGHT
10298	1	PC200	SS400P	A	9500	0.70	1.389	20000
10298	1	PC200	SS400B	A	5600	0.60	0.314	20000
10298	1	PC200	SS400B	A	1800	0.60	0.314	20000
10298	1	PC300	SS400P	A	600	0.70	1.389	30000
10298	1	PC200	01010	01010XXXXX	1200	0.57	0.546	20000
10298	1	PC200	01020	01020XXXXX	1000	0.70	1.389	20000
10298	1	PC200	01030	01030XXXXX	900	0.60	0.314	20000
10298	1	PC400	SS400P	A	60	0.70	1.389	40000
10298	2	PC400	SS400P	B	75	0.70	1.389	40000
10298	3	PC400	SS400P	C	50	0.70	1.389	40000
10298	4	PC400	SS400P	D	100	0.70	1.389	40000

(b) CALCULATION OF MATERIAL MASS AND
CO₂ DISCHARGED AMOUNT

TECHNICAL CONFIGURATION TEMP										
IDENTIFI- CATION NO.	SUB- ARTICLE NO.	MODEL NAME	MATERIAL CODE	PARENT ARTICLE NO.	CUMULATIVE WEIGHT	PROCESSING YIELD	MATERIAL MASS	CO ₂ FACTOR	CO ₂ DISCHARGED AMOUNT	TOTAL WEIGHT
10298	1	PC200	SS400P	A	9500	0.70	13571	1.389	18850	20000
10298	1	PC200	SS400B	A	5600	0.60	1500	0.314	2931	20000
10298	1	PC200	9SS400B	A	1800	0.60	3000	0.314	942	20000
10298	1	PC300	SS400P	A	600	0.70	857	1.389	1190	30000
10298	1	PC200	01010	01010XXXXX	1200	0.57	2105	0.546	1149	20000
10298	1	PC200	01020	01020XXXXX	1000	0.70	429	1.389	596	20000
10298	1	PC200	01030	01030XXXXX	900	0.60	1429	0.314	449	20000
10298	1	PC400	SS400P	A	60	0.70	57	1.389	79	40000
10298	2	PC400	SS400P	B	75	0.70	107	1.389	149	40000
10298	3	PC400	SS400P	C	50	0.70	71	1.389	99	40000
10298	4	PC400	SS400P	D	100	0.70	143	1.389	199	40000

(c) CALCULATION OF PERCENTAGE

IDENTIFI- CATION NO.	SUB- ARTICLE NO.	MODEL NAME	MATERIAL CODE	PARENT ARTICLE NO.	CUMULATIVE WEIGHT	PER- CENT- AGE	PER- CENT- AGE	PROCESSING YIELD	MATERIAL MASS	CO ₂ FACTOR	CO ₂ DISCHARGED AMOUNT	TOTAL WEIGHT
10298	1	PC200	SS400P	A	9500	47.5	47.5	0.70	1214	1.389	18850	20000
10298	1	PC200	SS400B	A	5600	28.0	75.5	0.60	1500	0.314	2931	20000
10298	1	PC200	SS400B	A	1800	9.0	84.5	0.60	1333	0.314	942	20000
10298	1	PC200	OTHER		1200	15.5	100.0				2194	20000
TOTAL					20000	100.0					24917	

(d) TABLE FOR CALCULATION OF DISCHARGED AMOUNT BY
MODEL NAME

TABLE FOR CALCULATION OF DISCHARGED AMOUNT BY MODEL NAME									
IDENTIFI- CATION NO.	SUB- ARTICLE NO.	MODEL NAME	UNIT NO.	FUEL CONSUMPTION	OPERATING TIME	FILLING VOLUME	REPLACEMENT TIME	THICKNESS	FUSING LENGTH
10298	1	PC200	A	00	00	00	00	00	00

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